

The composition of alfalfa hay is water 8.4; protein 14.3; fat, 2.2; nitrogen-free extract, 42.7; crude fiber, 25.0 and ash 7.4 percent.

It will be seen that the meal and hay have practically the same composition, the difference in the average values being no greater than might be expected in different samples of either material. This uniformity in composition is to be expected because the grinding process alone neither adds nor takes away from the amount or proportion of nutrients present although it increases the digestibility of the material somewhat. The feeding value of alfalfa meal and cut or chopped alfalfa hay was once tested with eight lots of seven pigs, averaging not far from eighty-five pounds each. The meal was prepared by running the hay through a grinder and the chopped material by cutting the hay into one-half inch lengths with a silage cutter.

The test was planned so that corn meal with chopped alfalfa hay were compared with mixtures of corn and bran and corn and shorts and with corn meal alone. Some of the mixed rations were made up of three parts of corn to one part of the other products and others half and half. For convenience ground corn was used with the cut ground alfalfa hay and the ration was moistened with water before feeding. This prevented the feed from being blown by the wind and induced the pigs to eat up the alfalfa better than they would have otherwise done.

In the twelve weeks covered by the test the average daily gain for each pig ranged from 0.8 pound with the lot fed corn and bran three to one to 1.096 pounds with the lot fed corn and shorts three to one. Almost as large gains—1.071 and 1.062 pounds were made respectively by the lots fed corn and cut alfalfa hay three to one and corn and ground alfalfa hay three to one. The gains made on corn and cut alfalfa hay and corn and ground alfalfa

hay half and half were respectively 0.922 and 0.888 pound for each head daily. The smallest amount of feed for each pound of gain—4.66 pounds—was noted with the lot fed corn and shorts three to one and the largest amount—5.89 pounds—came with the lot fed corn and bran three to one. With the corn and alfalfa rations three to one the average amount was 4.8 pounds and with the corn and alfalfa rations half and half 5.5 pounds. The cost of a pound of gain ranged from 2.62 cents with the lot fed corn and cut alfalfa hay to 3.96 cents with the lot fed corn and ground alfalfa hay half and half. The cut alfalfa hay was rated at \$8 a ton and the ground alfalfa at \$16 a ton.

HIS PROMISE.

Mistress—Jane, I saw the milkman kiss you this morning. In the future I will take the milk in.

Jane—'Twouldn't be no use, mum. He's promised never to kiss anybody but me.—London Illustrated Bits.

MARKET QUOTATIONS.

Owing to our extensive circulation, market reports must be closed Wednesday noon. Figures quoted are Salt Lake wholesale prices. These quotations are given at the request of many subscribers and are furnished and corrected weekly by the responsible firm of Vogeler Seed and Produce Co.

Butter and Cheese.

Creamery butter, 25 to 30c; cheese, full cream, 14 to 15c.

Vegetables.

Cabbage, per lb., 1c; potatoes, 85c. per cwt.

Poultry and Eggs.

Live hens 11 to 12c. per lb.
Dressed hens 12 to 13c per lb.
Eggs, strictly fresh, per case, \$8.50 to \$9.00.

Grain, Hay and Flour.

Wheat, per 100 lbs., \$1.60; corn, 100 lbs., \$1.80; chop corn, 100 lbs., \$1.85; oats, per 100 lbs., \$1.60; barley, per 100 rolled, \$1.35; bran, per 100 lbs., \$1.25; flour, high patent per 100 lbs., \$2.30; straight grade, per 100 lbs., \$2.10; alfalfa, baled, 55c. cwt.; timothy, baled, 70c. cwt.; straw, baled, 35c.

Honey.

Honey, case, \$2.75 and \$3.00, extracted, 7c. lb.

THE FARMER'S FRIEND



To realize the most money from your cows you should separate the milk at home, raise your calves on the nice, warm skim milk and sell the cream either for home use or to some of the many good companies that are paying higher prices for the better quality of cream.

To separate your cream thoroughly and with the least efforts, you must use the

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